Subject Index, 1948–49

ADMISSIONS—RELATIONS BETWEEN ENGINEERING SCHOOLS AND SECONDARY SCHOOLS. T. P. Baker 9, 531

ADMISSION, SELECTION FOR. W. Thomas, Jr. 10, 591

AERODYNAMICS, UNDERGRADUATE INSTRUCTION IN HIGHSPEED. H. W. Sibert 8, 445

AERONAUTICAL CURRICULUM. E. F. Bruhn 10, 586

AIMS AND CONTENT OF AN [illegible] COURSE FOR ENGINEERS, THE. E. Dugan and C. McGuire 5, 297

AIRCRAFT DYNAMICS, SOME PROBLEMS IN. B. Smilg 4, 216

AIRCRAFT PROPULSION FOR THE UNIVERSITIES, THE RESEARCH CHALLENGE IN. E. E. Stoeckly 2, 95

AMERICAN DESTINY AND MOTIVATION. A. E. Avey 10, 559

ANNUAL MEETING, MINUTES OF 56TH. 1, 45

AN OCCUPATIONAL SURVEY AS A TOPIC IN ENGLISH. H. A. Estrin 4, 253

A PROFESSIONAL RESPONSIBILITY. K. B. McEachron, Jr. 7, 329

APTITUDE TESTING. E. C. Koerper ..10, 569

AROUSING ENGINEERS TO CITIZENSHIP AND LEADERSHIP IN A WORLD OF CRISIS. E. S. Redford 5, 277

ATTITUDE AND EDUCATION. W. B. Wiegand 4, 221

CANONS OF ETHICS FOR ENGINEERS. L. A. Doggett 5, 316

CASE FOR THE SLUGGERS. R. C. Binder 10, 599

CHEMICAL ENGINEERING THROUGH A DEPARTMENT OF ENGINEERING RESEARCH, THE OPPORTUNITY FOR FURTHERING RESEARCH IN. W. G. Van Note 3, 171

CITIZENSHIP, THE EDUCATION OF PROFESSIONAL STUDENTS FOR. E. D. Smith 3, 147

CITIZENSHIP AND LEADERSHIP IN A WORLD OF CRISIS, AROUSING ENGINEERS TO. E. S. Redford 5, 277

CIVIL ENGINEERING AND ADVANCED COURSES IN MECHANICS? WHAT LINES OF DEMARCATION SHOULD BE RECOGNIZED BETWEEN ADVANCED COURSES IN. F. Kerekes.5, 292

CIVIL ENGINEERS, GEOLOGY FOR. Joseph M. Trefethen 7, 383

COLLEGE AND INDUSTRY IN THE EDUCATION OF AN ENGINEER, DIVISION OF RESPONSIBILITY BETWEEN. B. R. Teare, Jr. 5, 272

COLLOID CHEMISTRY IN THE CHEMICAL ENGINEERING CURRICULUM. R. C. Merrill 9, 521

COMMITTEE ON ETHICS OF INTERVIEWING PROCEDURES, REPORT OF 7, 364

COMMITTEE MEMBERSHIP 2, 116

COMMITTEE ON SANITARY ENGINEERING, REPORT OF 7, 389

COMMITTEE ON INDUSTRIAL HYGIENE, SAFETY AND FIRE PREVENTION 7, 394

CONTROL OF ENROLLMENT. R. C. Ernst.8, 454

COOPERATION IN EDUCATION BETWEEN GOVERNMENT LABORATORIES AND ENGINEERING COLLEGES. J. Hilsenrath 4, 203

COORDINATOR, LOAD OF. H. R. Bintzer 10, 593

CURRICULA, FOUR VS. FIVE YEAR. W. J. Huff 10, 555

CURRICULUM, AERONAUTICAL. E. F. Bruhn 10, 586

THE REQUIREMENTS OF A GRADUATE. J. R. Ragazzini 4, 241

DESIGNING THE UNDERGRADUATE ENGINEERING. R. L. Sweigert 1, 56

DESIGNING THE UNDERGRADUATE ENGINEERING CURRICULUM. R. L. Sweigert 1, 56

DEVELOPING ENGINEERS. W. P. Schmitter 10, 571

DEVELOPING LINES OF INDUSTRY-COLLEGE COMMUNICATIONS. E. C. Koerper 8, 428

DIFFICULTIES YOUNG MEN CONTEND WITH, THE. C. E. Davies 5, 282

Subject Index, 1948–49

ADMISSIONS—RELATIONS BETWEEN ENGINEERING SCHOOLS AND SECONDARY SCHOOLS. T. P. Baker 9, 531

ADMISSION, SELECTION FOR. W. Thomas, Jr. 10, 591

AERODYNAMICS, UNDERGRADUATE INSTRUCTION IN HIGHSPEED. H. W. Sibert 8, 445

AERONAUTICAL CURRICULUM. E. F. Bruhn 10, 586

AIMS AND CONTENT OF AN [illegible] COURSE FOR ENGINEERS, THE. E. Dugan and C. McGuire 5, 297

AIRCRAFT DYNAMICS, SOME PROBLEMS IN. B. Smilg 4, 216

AIRCRAFT PROPULSION FOR THE UNIVERSITIES, THE RESEARCH CHALLENGE IN. E. E. Stoeckly 2, 95

AMERICAN DESTINY AND MOTIVATION. A. E. Avey 10, 559

ANNUAL MEETING, MINUTES OF 56TH. 1, 45

AN OCCUPATIONAL SURVEY AS A TOPIC IN ENGLISH. H. A. Estrin 4, 253

A PROFESSIONAL RESPONSIBILITY. K. B. McEachron, Jr. 7, 329

APTITUDE TESTING. E. C. Koerper ..10, 569

AROUSING ENGINEERS TO CITIZENSHIP AND LEADERSHIP IN A WORLD OF CRISIS. E. S. Redford 5, 277

ATTITUDE AND EDUCATION. W. B. Wiegand 4, 221

CANONS OF ETHICS FOR ENGINEERS. L. A. Doggett 5, 316

CASE FOR THE SLUGGERS. R. C. Binder 10, 599

CHEMICAL ENGINEERING THROUGH A DEPARTMENT OF ENGINEERING RESEARCH, THE OPPORTUNITY FOR FURTHERING RESEARCH IN. W. G. Van Note 3, 171

CITIZENSHIP, THE EDUCATION OF PROFESSIONAL STUDENTS FOR. E. D. Smith 3, 147

CITIZENSHIP AND LEADERSHIP IN A WORLD OF CRISIS, AROUSING ENGINEERS TO. E. S. Redford 5, 277

CIVIL ENGINEERING AND ADVANCED COURSES IN MECHANICS? WHAT LINES OF DEMARCATION SHOULD BE RECOGNIZED BETWEEN ADVANCED COURSES IN. F. Kerekes.5, 292

CIVIL ENGINEERS, GEOLOGY FOR. Joseph M. Trefethen 7, 383

COLLEGE AND INDUSTRY IN THE EDUCATION OF AN ENGINEER, DIVISION OF RESPONSIBILITY BETWEEN. B. R. Teare, Jr. 5, 272

COLLOID CHEMISTRY IN THE CHEMICAL ENGINEERING CURRICULUM. R. C. Merrill 9, 521

COMMITTEE ON ETHICS OF INTERVIEWING PROCEDURES, REPORT OF 7, 364

COMMITTEE MEMBERSHIP 2, 116

COMMITTEE ON SANITARY ENGINEERING, REPORT OF 7, 389

COMMITTEE ON INDUSTRIAL HYGIENE, SAFETY AND FIRE PREVENTION 7, 394

CONTROL OF ENROLLMENT. R. C. Ernst.8, 454

COOPERATION IN EDUCATION BETWEEN GOVERNMENT LABORATORIES AND ENGINEERING COLLEGES. J. Hilsenrath 4, 203

COORDINATOR, LOAD OF. H. R. Bintzer 10, 593

CURRICULA, FOUR VS. FIVE YEAR. W. J. Huff 10, 555

CURRICULUM, AERONAUTICAL. E. F. Bruhn 10, 586

THE REQUIREMENTS OF A GRADUATE. J. R. Ragazzini 4, 241

DESIGNING THE UNDERGRADUATE ENGINEERING. R. L. Sweigert 1, 56

DESIGNING THE UNDERGRADUATE ENGINEERING CURRICULUM. R. L. Sweigert 1, 56

DEVELOPING ENGINEERS. W. P. Schmitter 10, 571

DEVELOPING LINES OF INDUSTRY-COLLEGE COMMUNICATIONS. E. C. Koerper 8, 428

DIFFICULTIES YOUNG MEN CONTEND WITH, THE. C. E. Davies 5, 282

DIVISION OF RESPONSIBILITY BETWEEN THE COLLEGE AND INDUSTRY IN THE EDUCATION OF AN ENGINEER. B. R. Teare, Jr. 5, 272
DIVISIONS, OFFICERS OF 2, 114

ECONOMICS COURSE FOR ENGINEERS, THE AIMS AND CONTENT OF. J. E. Dugan and C. McGuire 5, 297
EDITORIAL—A "MUST" IN ENGINEERING CURRICULA. E. B. Norris ..10, 545
A PROFESSIONAL RESPONSIBILITY. K. B. McEachron, Jr. 7, 329
EDUCATIONAL GOALS. James R. Killian 9, 491
ENGINEERING KNOW-HOW FOR THE WORLD. S. S. Steinberg 8, 411
OUR PARTNERS—THE SMALLER INDUSTRIES. B. J. ROBERTSON 5, 263
PUTTING THE OFFICERS TO WORK. C. J. Freund 1, 8
THE ROLE OF FUNDAMENTAL RESEARCH. F. M. Dawson 4, 195
Thorndike Saville 3, 127
EDUCATION, ATTITUDE AND. W. B. Wiegand 4, 221
EDUCATION BETWEEN GOVERNMENT LABORATORIES AND ENGINEERING COLLEGES, COOPERATION IN. J. Hilsenrath 4, 203
EDUCATION FOR PROFESSIONAL RESPONSIBILITY. R. E. Doherty 2, 76
EDUCATION FOR PROFESSIONAL RESPONSIBILITY. H. P. Hammond 3, 142
EDUCATION FOR U. S. NAVY PERSONNEL, POSTGRADUATE. H. A. Spanagel.2, 104
EDUCATION OF AN ENGINEER, DIVISION OF RESPONSIBILITY BETWEEN THE COLLEGE AND INDUSTRY IN THE. B. R. Teare, Jr. 5, 272
EDUCATION OF PROFESSIONAL STUDENTS FOR CITIZENSHIP, THE. E. D. Smith 3, 147
EDUCATION OF THE ENGINEER, GAPS BETWEEN THE STATEMENT AND ACHIEVEMENT OF OBJECTIVES IN THE. H. S. Rogers 3, 156
EDUCATIONAL GOALS. J. R. Killian ..9, 491
ENGINEERING CAREERS, SANITARY. K. W. Cosens 10, 596
ENGINEERING COLLEGE ADMINISTRATIVE COUNCIL, REPORT OF 1, 32
ENGINEERING COLLEGE RESEARCH COUNCIL, REPORT OF 1, 34
ENGINEERING COSTS IN MANUFACTURING INDUSTRY, SIGNIFICANCE OF. E. W. Butler 9, 512
ENGINEERING ECONOMY, TEACHING. E. D. Ayres 9, 509
ENGINEERING CURRICULUM, DESIGNING THE UNDERGRADUATE. R. L. Sweigert 1, 56
ENGINEERING EDUCATION IN GREAT BRITAIN. Charles Susskind 9, 506
ENGINEERING EDUCATION, NEW HORIZONS IN. Thorndike Saville 7, 344
ENGINEERING EDUCATION—PLUS. C. E. MacQuigg 1, 11
ENGINEERING EXPERIMENT STATION AS A STIMULUS TO THE GRADUATE PROGRAM, THE. R. A. Morgen ..1, 52
ENGINEERING KNOW-HOW FOR THE WORLD. S. S. Steinberg 8, 411
ENGLISH, AN OCCUPATIONAL SURVEY AS A TOPIC IN. H. A. Estrin 4, 253
ENGLISH DEPARTMENT OF AN ENGINEERING COLLEGE, SELECTION OF THE FACULTY FOR THE. J. H. Pitman 5, 318
ENGLISH AND HUMANITIES FACULTY, THE NEED FOR PERSONAL INTEGRATION IN THE. James H. Pitman 8, 439
ENROLLMENT, CONTROL OF. R. C. Ernst 8, 454
ENROLLMENT IN ENGINEERING COLLEGES. A. B. Bronwell 6, 1
ENROLLMENT RAPIDLY ADJUSTING TO NEAR PRE-WAR LEVEL, POST-WAR ENGINEERING. S. C. Hollister ..7, 355
ETHICS FOR ENGINEERS, CANONS OF. L. A. Doggett 5, 316
ETHICS OF INTERVIEWING PROCEDURES, REPORT OF COMMITTEE ON 7, 364
EVALUATING ENGINEERING TEACHERS' SALARIES. Scott B. Lilly 1, 48
EXECUTIVE BOARD MEETING, MINUTES OF 1, 39
MINUTES OF 2, 122
MINUTES OF 4, 255
EXPANDING ENGINEERING OPPORTUNITIES. Donald C. Hunt 7, 369
EXPERIMENTAL STRESS ANALYSIS. W. W. Soroka 10, 562

FOUR VS. FIVE YEAR CURRICULA. W. J. Huff 10, 555
FRESHMAN ENGINEERS, MEASURING THE SOCIAL ORIENTATION OF. G. S. Speer 2, 86
FUNCTION AND OPERATION OF TECHNICAL INSTITUTES, THE. Maurice Graney 7, 373

FUNCTIONAL PUBLIC SPEAKING IN AN ENGINEERING CURRICULUM. E. R. Steinberg 5, 307
FUTURE ASPECTS OF SCIENCE. R. D. Coghill 4, 196

GAPS BETWEEN THE STATEMENT AND ACHIEVEMENT OF OBJECTIVES IN THE EDUCATION OF THE ENGINEER. H. S. Rogers 3, 156
GENERAL COUNCIL MEETING, MINUTES OF 1, 41
MINUTES OF 4, 257
GENERAL AND REGIONAL ACTIVITIES, REPORT OF VICE PRESIDENT IN CHARGE OF 1, 18
GENERAL STRUCTURE OF THE SCIENTIFIC AND INDUSTRIAL RESEARCH OF GREAT BRITAIN. W. R. Woolrich.2, 68
GEOLOGY FOR CIVIL ENGINEERS. Joseph M. Trefethen 7, 383
GRADUATE CURRICULUM, THE REQUIREMENTS OF A. J. R. Ragazzini ...4, 241
GRADUATE PROGRAM, THE ENGINEERING EXPERIMENT STATION AS A STIMULUS TO THE. R. A. Morgen 1, 52
GREAT BRITAIN, GENERAL STRUCTURE OF THE SCIENTIFIC AND INDUSTRIAL RESEARCH OF. W. R. Woolrich ..2, 68
ENGINEERING EDUCATION IN. Charles Susskind 9, 506

HOW INDUSTRY CAN AID HIGHER EDUCATION. L. Arnow 4, 251
HOW TO RECOGNIZE AND REWARD GOOD INSTRUCTORS. H. P. Hammond ..9, 502
HUMANITIES FACULTY, THE NEED FOR PERSONAL INTEGRATION IN THE ENGLISH AND. James H. Pitman.8, 439
HUMANISTIC STUDIES, THE PROBLEM METHOD IN. C. H. Gray 9, 498
HYDRAULIC PROBLEMS IN IRRIGATION. C. L. Barker 3, 179

INDUSTRIAL HYGIENE, SAFETY AND FIRE PREVENTION, REPORT OF COMMITTEE ON 7, 394
INDUSTRIES, OUR PARTNERS — THE SMALLER. B. J. Roberston 5, 263
INDUSTRY CAN AID HIGHER EDUCATION, HOW. L. Arnow 4, 251
INDUSTRY-COLLEGE COMMUNICATIONS, DEVELOPING LINES OF. E. C. Koerper 8, 428
INDUSTRY-COLLEGE COOPERATION IN DEVELOPING TEACHING AIDS. W. J. King 2, 90
INDUSTRY DEVELOPS ENGINEERS. T. B. Jochem 10, 567
INDUSTRY IN THE EDUCATION OF AN ENGINEER, DIVISION OF RESPONSIBILITY BETWEEN THE COLLEGE AND. B. R. Teare, Jr. 5, 272
INDUSTRY, PARTNERSHIP WITH. C. J. Freund 9, 493
INTER-AMERICAN EDUCATIONAL AND PROFESSIONAL RELATIONS IN ENGINEERING. S. S. Steinberg 2, 65
INTERNATIONAL CONTACTS FOR ENGINEERING EDUCATORS. J. S. Thompson 3, 135
INTERVIEWING PROCEDURES, REPORT OF COMMITTEE ON ETHICS OF 7, 364
INSTRUCTIONAL DIVISION ACTIVITIES, REPORT OF VICE PRESIDENT IN CHARGE OF 1, 21
IRRIGATION, HYDRAULIC PROBLEMS IN. C. L. Barker 3, 179

LABOR, TRAINING ENGINEERS TO BUILD BRIDGES BETWEEN MANAGEMENT AND. J. F. D. Smith 4, 213
LABORATORY, THE MECHANICS. F. L. Everett 10, 579
LAMME MEDAL 3, 134
RECIPIENT, A. G. CHRISTIE 1, 3
LEADERSHIP IN A WORLD OF CRISIS, AROUSING ENGINNERS TO CITIZENSHIP AND. E. S. Redford 5, 277
LOAD OF COORDINATOR. H. R. Bintzer 10, 593

MANAGEMENT AND LABOR, TRAINING ENGINEERS TO BUILD BRIDGES BETWEEN. J. F. D. Smith 4, 213
MANPOWER COMMITTEE, REPORT OF THE 1, 37
MATHEMATICS TO CHEMICAL ENGINEERING GRADUATE STUDENTS, TEACHING APPLIED. R. L. Pigford and W. R. Marshall, Jr. 8, 432
MATHEMATICS, SHORT CUTS IN. J. B. Threlfall 10, 601
SOME EFFECTIVE METHODS OF TEACHING. W. C. Krathwohl 2, 81
MEASURING THE SOCIAL ORIENTATION OF FRESHMAN ENGINEERS. G. S. Speer 2, 86
MECHANICAL ENGINEERING CURRICULUM, METALLURGY IN THE. A. G. Guy.5, 288
MECHANICAL ENGINEERING TEACHERS, SUMMER SCHOOL FOR 7, 386
MECHANICS LABORATORY, THE. F. L. Everett 10, 579

MECHANICS, A NEW TEACHING AID IN. D. T. Worrell 10, 577
MECHANICS? WHAT LINES OF DEMARCATION SHOULD BE RECOGNIZED BETWEEN ADVANCED COURSES IN CIVIL ENGINEERING AND ADVANCED COURSES IN. F. Kerekes 5, 292
MEETING OF MINDS, A. James H. Pitman 8, 439
METALLURGY IN THE MECHANICAL ENGINEERING CURRICULUM. A. G. Guy 5, 288
METALLURGY AND ITS PLACE IN ENGINEERING EDUCATION. J. Chipman.4, 244
METHOD FOR TEACHING SPEECH TO ENGINEERING STUDENTS, A. O. J. Drake 3, 184
MIDDLE EAST AND THE AMERICAN ENGINEER, THE. Max Thornburg ..7, 331
MILITARY INSTRUCTION PRACTICES. R. S. SHERWOOD 10, 547
MINUTES OF: EXECUTIVE BOARD MEETING 1, 39
EXECUTIVE BOARD MEETING 2, 122
EXECUTIVE BOARD MEETING 4, 255
GENERAL COUNCIL MEETING 1, 41
GENERAL COUNCIL MEETING 4, 257
56TH ANNUAL MEETING 1, 45
"MUST" IN ENGINEERING CURRICULA, A. E. B. Norris 10, 545

NAVY PERSONNEL, POSTGRADUATE EDUCATION FOR U. S. H. A. Spanagel 2, 104
NECROLOGY: C. FRANK ALLEN 5, 287
EDWIN W. HAMLIN 2, 75
ALEXANDER R. STEVENSON 2, 118
WILLIAM R. WORK 3, 130
JOHN W. GREENE 5, 287
ARTLE JOSEPH LYNN 9, 536
NEW HORIZONS IN ENGINEERING EDUCATION. Thorndike Saville 7, 344
NEW TEACHING AID IN MECHANICS, A. D. T. Worrell 10, 577
NEW YORK—SUMMER PLAYGROUND ..5, 266

OAK RIDGE—THE SYMBOL OF OUR UNRESOLVED DILEMMAS. R. M. Boarts 9, 516
OBJECTIVES IN THE EDUCATION OF THE ENGINEER, GAPS BETWEEN THE STATEMENT AND ACHIEVEMENT OF. H. S. Rogers 3, 156
OCCUPATIONAL SURVEY AS A TOPIC IN ENGLISH, AN. H. A. Estrin 4, 253
OFFICERS OF DIVISIONS AND SECTIONS AND COMMITTEE MEMBERSHIP ..2, 114
OFFICERS TO WORK, PUTTING THE. C. J. Freund 1, 8
OPPORTUNITY FOR FURTHERING RESEARCH IN CHEMICAL ENGINEERING THROUGH A DEPARTMENT OF ENGINEERING RESEARCH, THE. W. G. Van Note 3, 171
ORIENTATION OF FRESHMAN ENGINEERS, MEASURING THE SOCIAL. G. S. Speer 2, 86

PAN-AMERICAN ENGINEERING CONGRESS 7, 396
PARTNERSHIP WITH INDUSTRY, PROJECT FOR THE YEAR. C. J. Freund ...3, 128
PARTNERSHIP WITH INDUSTRY. C. J. Freund 9, 493
PERTINENT READING FOR ENGINEERING STUDENTS AND SCIENCE MAJORS—THE MIDDLE GROUND. W. T. Conklin 9, 527
PHYSICS DEPARTMENTS AND ENGINEERING PHYSICS CURRICULA. Clarence E. Bennett 8, 421
PLACEMENT IN OUR PROFESSION. A. L. Miller 5, 310
POSTGRADUATE EDUCATION FOR U. S. NAVY PERSONNEL. H. A. Spanagel 2, 104
POST-WAR ENGINEERING ENROLLMENT RAPIDLY ADJUSTING TO NEAR PRE-WAR LEVEL. S. C. Hollister.7, 355
PRESIDENT, A.S.E.E., 1948–49, C. J. FREUND 1, 1
PROBLEM METHOD IN HUMANISTIC STUDIES, THE. C. H. Gray 9, 498
PROFESSIONAL ATTRIBUTES. N. W. Dougherty 10, 551
PROFESSIONAL RESPONSIBILITY, A. K. B. McEachron, Jr. 7, 329
EDUCATION FOR. R. E. Doherty 2, 76
EDUCATION FOR. H. P. HAMMOND 3, 142
PROJECT FOR THE YEAR: PARTNERSHIP WITH INDUSTRY. C. J. FREUND.3, 128
PUBLIC SPEAKING IN AN ENGINEERING CURRICULUM, FUNCTIONAL. E. R. Steinberg 5, 307
PUSSY FOOTING, ON. Thomas J. MacKavanagh 8, 418
PUTTING THE OFFICERS TO WORK. C. J. Freund 1, 8

QUALITY CONTROL TO ENGINEERING STUDENTS, THE TEACHING OF. A. R. Burgess 4, 236

READING FOR ENGINEERING STUDENTS AND SCIENCE MAJORS—THE MIDDLE GROUND, PERTINENT. W. T. Conklin 9, 527
RELATIONS BETWEEN ENGINEERING SCHOOLS AND SECONDARY SCHOOLS —ADMISSIONS. T. P. Baker ...9, 531
RENSSELAER WELCOMES YOU 3, 131
REPORT OF COMMITTEE ON ETHICS OF INTERVIEWING PROCEDURES 7, 364
REPORT OF COMMITTEE ON INDUSTRIAL HYGIENE, SAFETY AND FIRE PREVENTION 7, 394
REPORT OF: VICE-PRESIDENT IN CHARGE OF GENERAL AND REGIONAL ACTIVITIES 1, 18
VICE-PRESIDENT IN CHARGE OF INSTRUCTIONAL DIVISION ACTIVITIES 1, 21
SECRETARY 1, 25
TREASURER 1, 28
E.C.A.C. 1, 32
E.C.R.C. 1, 34
MANPOWER COMMITTEE 1, 37
COMMITTEE ON SANITARY ENGINEERING 7, 389
REQUIREMENTS OF A GRADUATE CURRICULUM, THE. J. R. Ragazzini 4, 241
RESEARCH CHALLENGE IN AIRCRAFT PROPULSION FOR THE UNIVERSITIES, THE. E. E. Stoeckly 2, 95
RESEARCH IN CHEMICAL ENGINEERING THROUGH A DEPARTMENT OF ENGINEERING RESEARCH, THE OPPORTUNITY FOR FURTHERING. W. G. Van Note 3, 171
RESEARCH OF GREAT BRITAIN, GENERAL STRUCTURE OF THE SCIENTIFIC AND INDUSTRIAL. W. R. Woolrich 2, 68
RESEARCH, THE ROLE OF FUNDAMENTAL. F. M. Dawson 4, 195
RESEARCH IN SOUTHEASTERN SECTION, TEACHER TRAINING IN. R. C. Ernst 2, 111
RESEARCH, TELLING THE STORY OF ENGINEERING. John I. Mattill 7, 378
RESPONSIBILITY BETWEEN THE COLLEGE AND INDUSTRY IN THE EDUCATION OF AN ENGINEER, DIVISION OF. B. R. Teare, Jr. 5, 272
ROLE OF FUNDAMENTAL RESEARCH, THE. F. M. Dawson 4, 195
ROLE OF THE TECHNICAL INSTITUTE IN AMERICAN EDUCATION, THE. Lawrence L. Jarvie 7, 358
SALARIES, EVALUATING ENGINEERING TEACHERS'. Scott B. Lilly 1, 48
SANITARY ENGINEERING CAREERS. K. W. Cosens 10, 596
SANITARY ENGINEERING, REPORT OF COMMITTEE ON 7, 389
SCIENCE, FUTURE ASPECTS OF. R. D. Coghill 4, 196
SECTIONS, OFFICERS OF 2, 115
SECRETARY, REPORT OF THE 1, 25
SELECTION FOR ADMISSION. W. Thomas, Jr. 10, 591
SELECTION OF THE FACULTY FOR THE ENGLISH DEPARTMENT OF AN ENGINEERING COLLEGE. J. H. Pitman 5, 318
SHORT CUTS IN MATHEMATICS. J. B. Threlfall 10, 601
SIGNIFICANCE OF ENGINEERING COSTS IN MANUFACTURING INDUSTRY. E. W. Butler 9, 512
SLUGGERS, CASE FOR THE. R. C. Binder 10, 599
SOME EFFECTIVE METHODS OF TEACHING MATHEMATICS. W. C. Krathwohl 2, 81
SOME PROBLEMS IN AIRCRAFT DYNAMICS. B. Smilg 4, 226
SOUTHEASTERN SECTION, TEACHER TRAINING IN RESEARCH IN. R. C. Ernst 2, 111
SPEECH TO ENGINEERING STUDENTS, A METHOD FOR TEACHING. O. J. Drake 3, 184
STUDY OF SUMMER SURVEYING SCHOOLS AND CAMPS IN THE U. S. AND CANADA, A. R. C. Brinker 5, 304
SUCCESS FACTORS FOR YOUNG ENGINEERS. E. C. Koerper 7, 387
SUMMER PLAYGROUND, NEW YORK ..5, 266
SUMMER SCHOOL FOR MECHANICAL ENGINEERING TEACHERS 7, 386
SURVEYING SCHOOLS AND CAMPS IN THE U. S. AND CANADA, A STUDY OF SUMMER. R. C. Brinker 5, 304

TEACHER QUALIFICATIONS AND DEVELOPMENT. Thomas K. Sherwood 8, 412
TEACHER TRAINING IN RESEARCH IN SOUTHEASTERN SECTION. R. C. Ernst 2, 111
TEACHING AIDS, INDUSTRY-COLLEGE COOPERATION IN DEVELOPING. W. J. King 2, 90
TEACHING AID IN MECHANICS, A NEW. D. T. Worrell 10, 577

TEACHING APPLIED MATHEMATICS TO CHEMICAL ENGINEERING GRADUATE STUDENTS. R. L. Pigford and W. R. Marshall, Jr. 8, 432
TEACHING ENGINEERING ECONOMY. E. D. Ayres 9, 509
TEACHING OF QUALITY CONTROL TO ENGINEERING STUDENTS, THE. A. R. Burgess 4, 236
TEACHING SPEECH TO ENGINEERING STUDENTS, A METHOD FOR. O. J. Drake 3, 184
TECHNICAL INSTITUTE IN AMERICAN EDUCATION, THE ROLE OF. Lawrence L. Jarvie 7, 358
TECHNICAL INSTITUTES, THE FUNCTION AND OPERATION OF. Maurice Graney 7, 373
TECHNICAL INSTITUTE MOVEMENT, THREE WAVES OF PROGRESS IN THE. Walter L. Hughes 8, 448
TECHNICAL REPORTS, WRITING. K. A. Kobe 10, 573
TELLING THE STORY OF ENGINEERING RESEARCH. John I. Mattill 7, 378
THREE WAVES OF PROGRESS IN THE TECHNICAL INSTITUTE MOVEMENT. Walter L. Hughes 8, 448
TRAINING ENGINEERS TO BUILD BRIDGES BETWEEN MANAGEMENT AND LABOR. J. F. Smith 4, 213
TREASURER, REPORT OF THE 1, 28
T-SQUARE PAGE 2, 113
T-SQUARE PAGE 5, 323
T-SQUARE PAGE 7, 397
T-SQUARE PAGE 8, 463
T-SQUARE PAGE 10, 603

UNDERGRADUATE ENGINEERING CURRICULUM, DESIGNING THE. R. L. Sweigert 1, 56
UNDERGRADUATE INSTRUCTION IN HIGH-SPEED AERODYNAMICS. H. W. Sibert 8, 445
USE OF PROBLEMS AND INSTANCES TO MAKE EDUCATION PROFESSIONAL, THE. B. R. Teare, Jr. 3, 162

WHAT LINES OF DEMARCATION SHOULD BE RECOGNIZED BETWEEN ADVANCED COURSES IN CIVIL ENGINEERING AND ADVANCED COURSES IN MECHANICS? F. Kerekes 5, 292
WRITING TECHNICAL REPORTS. K. A. Kobe 10, 573

Author Index, 1948–49

ARNOW, L. How Industry Can Aid Higher Education 4, 251
AVEY, A. E. American Destiny and Motivation 10, 559
AYRES, E. D. Teaching Engineering Economy 9, 509

BAKER, T. P. Relations Between Engineering Schools and Secondary Schools Admissions 9, 531
BARKER, C. L. Hydraulic Problems in Irrigation 3, 179
BENNETT, C. E. Physics Departments and Engineering Physics Curricula 8, 421
BINDER, R. C. Case for the Sluggers, The 10, 599
BINTZER, H. R. Load of Coordinator. 10, 593
BOARTS, R. M. Oak Ridge—The Symbol of Our Unresolved Dilemmas. 9, 516
BORING, M. M. Report of the Committee on Ethics of Interviewing Procedures 7, 364
BRINKER, R. C. A Study of Summer Surveying Schools and Camps in the U. S. and Canada 5, 304
BRONWELL, A. B. Enrollment in Engineering Colleges 6, 1
BRUHN, E. F. Aeronautical Curriculum 10, 586
BURGESS, A. R. The Teaching of Quality Control to Engineering Students 4, 236
BUTLER, E. W. Significance of Engineering Costs in Manufacturing Industry 9, 512

CHIPMAN, J. Metallurgy and its Place in Engineering Education 4, 244
COGHILL, R. D. Future Aspects of Science 4, 196
CONKLIN, W. T. Pertinent Reading for Engineering Students and Science Majors—The Middle Ground ...9, 527
COSENS, K. W. Sanitary Engineering Careers 10, 596

DAVIES, C. E. The DifficultiesYoung Men Contend With 5, 282
DAWSON, F. M. The Role of Fundamental Research 4, 195
DOGGETT, L. A. Canons of Ethics for Engineers 5, 316
DOHERTY, R. E. Education for Professional Responsibility 2, 76
DOUGHERTY, N. W. Professional Attributes 10, 551
DRAKE, O. J. A Method for Teaching Speech to Engineering Students. 3, 184
DUGAN, J. E., AND C. MCGUIRE. The Aims and Content of an Economics Course for Engineers ...5, 297

ERNST, R. C. Teacher Training in Research in Southeastern Section ..2, 111
Control of Enrollment 8, 454
ESTRIN, H. A. An Occupational Survey as a Topic in English 4, 253
EVERETT, F. L. The Mechanics Laboratory 10, 579

FREUND, C. J. President, 1948–49 ..1, 1
Partnership with Industry 9, 493
Project for the Year: Partnership with Industry 3, 128
Putting the Officers to Work 1, 8

GRANEY, MAURICE. The Function and Operation of Technical Institutes 7, 373
GUY, A. G. Metallurgy in the Mechanical Engineering Curriculum 5, 288

HAMMOND, H. P. Education for Professional Responsibility 3, 142
How to Recognize and Reward Good Instructors 9, 502
HILSENRATH, J. Cooperation in Education Between Government Laboratories and Engineering Colleges. 4, 203
HOLLISTER, S. C. Post-War Engineering Enrollment Rapidly Adjusting to Near Pre-War Level 7, 355
HUFF, W. J. Four vs. Five Year Curricula 10, 555
HUGHES, WALTER L. Three Waves of Progress in the Technical Institute Movement 8, 448

HUNT, DONALD C. Expanding Engineering Opportunities 7, 369

JARVIE, LAWRENCE L. The Role of the Technical Institute in American Education 7, 358
JOCHEM, T. B. Industry Develops Engineers 10, 567

KEREKES, F. What Lines of Demarcation Should Be Recognized Between Advanced Courses in Civil Engineering and Advanced Courses in Mechanics 5, 292
KILLIAN, J. R. Educational Goals ..9, 491
KING, W. J. Industry-College Cooperation in Developing Teaching Aids 2, 90
KOBE, K. A. Writing Technical Reports 10, 573
KOERPER, E. C. Aptitude Testing ..10, 569
Developing Lines of Industry-College Communications 8, 428
Success Factors for Young Engineers 7, 387
KRATHWOHL, W. C. Some Effective Methods of Teaching Mathematics 2, 81

LILLY, SCOTT B. Evaluating Engineering Teachers' Salaries 1, 48

MAC KAVANGH, THOMAS J. On Pussyfooting 8, 418
MACQUIGG, C. E. Engineering Education—Plus 1, 11
MARSHALL, W. R., JR., AND R. L. PIGFORD. Teaching Applied Mathematics to Chemical Engineering Graduate Students 8, 432
MATTILL, JOHN I. Telling the Story of Engineering Research 7, 378
MCEACHRON, K. B., JR. A Professional Responsibility 7, 329
MCGUIRE, C., AND J. E. DUGAN. The Aims and Content of an Economics Course for Engineers 5, 297
MERRILL, R. C. Colloid Chemistry in the Chemical Engineering Curriculum 9, 521
MILLER, A. L. Placement in Our Profession 5, 310
MORGEN, R. A. The Engineering Experiment Station as a Stimulus to the Graduate Program 1, 52

NORRIS, E. B. A "Must" in Engineering Curricula 10, 545

PIGFORD, R. L., AND W. R. MARSHALL, JR. Teaching Applied Mathematics to Chemical Engineering Graduate Students 8, 432
PITMAN, J. H. Selection of the Faculty for the English Department of an Engineering College 5, 318
A Meeting of Minds 8, 439

RAGAZZINI, J. R. The Requirements of a Graduate Curriculum 4, 241
REDFORD, E. S. Arousing Engineers to Citizenship and Leadership in a World of Crisis 5, 277
ROBERTSON, B. J. Our Partners—The Smaller Industries 5, 263
ROGERS, H. S. Gaps Between the Statement and Achievement of Objectives in the Education of the Engineer 3, 156

SAVILLE, THORNDIKE. Editorial 3, 127
New Horizons in Engineering Education 7, 344
SCHMITTER, W. P. Developing Engineers 10, 571
SHERWOOD, R. S. Military Instruction Practices 10, 547
SHERWOOD, THOMAS K. Teacher Qualifications and Development 8, 412
SIBERT, H. W. Undergraduate Instruction in High-Speed Aerodynamics 8, 445
SMILG, B. Some Problems in Aircraft Dynamics 4, 226
SMITH, E. D. The Education of Professional Students for Citizenship 3, 147
SMITH, J. F. D. Training Engineers to Build Bridges Between Management and Labor 4, 213
SOROKA, W. W. Experimental Stress Analysis 10, 562
SPANAGEL, H. A. Postgraduate Educa for U. S. Navy Personnel 2, 104
SPEER, G. S. Measuring the Social Orientation of Freshman Engineers.2, 86
STEINBERG, E. R. Functional Public Speaking in an Engineering Curriculum 5, 307
STEINBERG, S. S. Engineering Know-How for the World 8, 411
Inter-American Educational and Professional Relations in Engineering 2, 65
STOECKLEY, E. E. The Research Challenge in Aircraft Propulsion for the Universities 2, 95

SUSSKIND, CHARLES. Engineering Education in Great Britain 9, 506
SWEIGERT, R. L. Designing the Undergraduate Engineering Curriculum 1, 56

TEARE, B. R., JR. The Use of Problems and Instances to Make Education Professional 3, 162
Division of Responsibility Between the College and Industry in the Education of an Engineer 5, 272
THOMAS, W. Selection for Admission 10, 591
THOMPSON, J. S. International Contacts for Engineering Educators.3, 135
THORNBURG, MAX. The Middle East and the American Engineer 7, 331
TREFETHEN, JOSEPH M. Geology for Civil Engineers 7, 383
THRELFALL, J. B. Short Cuts in Mathematics 10, 601

VAN NOTE, W. G. The Opportunity for Furthering Research in Chemical Engineering Through a Department of Engineering Research 3, 171

WIEGAND, W. B. Attitude and Education 4, 221
WOOLRICH, W. R. General Structure of the Scientific and Industrial Research of Great Britain 2, 68
WORRELL, D. T. A New Teaching Aid in Mechanics 10, 577

logy for
.....7, 383
n Mathe-
.....10, 601

unity for
Chemical
partment
.....3, 171

d Educa-
.....4, 221
ucture of
trial Re-
.....2, 68
hing Aid
.....10, 577